Alaska Department of Fish and Game Statewide Freshwater Guided Sport Fishing Logbook Reporting Program, 2014 – 2016

by

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Alaska Department of Fish and Game   Divisions of Sport Fish and Commercial Fisheries

Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figure or figure captions.

Weights and measures (metric)

centimeter	cm
deciliter	dL
gram	g
hectare	ha
kilogram	kg
kilometer	km
liter	L
meter	m
milliliter	mL
millimeter	mm

Weights and measures (English)

cubic feet per second	ft^3/s
foot	ft
gallon	gal
inch	in
mile	mi
nautical mile	nmi
ounce	oz
pound	lb
quart	qt
yard	yd

Time and temperature

day	d
degrees Celsius	°C
degrees Fahrenheit	°F
degrees kelvin	K
hour	h
minute	min
second	s

Physics and chemistry

all atomic symbols	
alternating current	AC
ampere	A
calorie	cal
direct current	DC
hertz	Hz
horsepower	hp
hydrogen ion activity (negative log of)	pH
parts per million	ppm
parts per thousand	ppt, ‰
volts	V
watts	W

General

Alaska Administrative Code	AAC
all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.
all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.
at	@
compass directions:	
east	E
north	N
south	S
west	W
copyright	©
corporate suffixes:	
Company	Co.
Corporation	Corp.
Incorporated	Inc.
Limited	Ltd.
District of Columbia	D.C.
et alii (and others)	et al.
et cetera (and so forth)	etc.
exempli gratia (for example)	e.g.
Federal Information Code	FIC
id est (that is)	i.e.
latitude or longitude	lat or long
monetary symbols (U.S.)	$, ¢
months (tables and figures): first three letters	Jan,...,Dec
registered trademark	®
trademark	™
United States (adjective)	U.S.
United States of America (noun)	USA
U.S.C.	United States Code
U.S. state	use two-letter abbreviations (e.g., AK, WA)

Mathematics, statistics

all standard mathematical signs, symbols and abbreviations

alternate hypothesis	H_A
base of natural logarithm	e
catch per unit effort	CPUE
coefficient of variation	CV
common test statistics	$(F, t, \chi^2, \text{etc.})$
confidence interval	CI
correlation coefficient (multiple)	R
correlation coefficient (simple)	r
covariance	cov
degree (angular)	°
degrees of freedom	df
expected value	E
greater than	>
greater than or equal to	≥
harvest per unit effort	HPUE
less than	<
less than or equal to	≤
logarithm (natural)	ln
logarithm (base 10)	log
logarithm (specify base)	$\log_2$, etc.
minute (angular)	'
not significant	NS
null hypothesis	H_O
percent	%
probability	P
probability of a type I error (rejection of the null hypothesis when true)	α
probability of a type II error (acceptance of the null hypothesis when false)	β
second (angular)	"
standard deviation	SD
standard error	SE
variance	
population	Var
sample	var

REGIONAL OPERATIONAL PLAN SF.4A.2014.02

ALASKA DEPARTMENT OF FISH AND GAME STATEWIDE FRESHWATER GUIDED SPORT FISHING LOGBOOK REPORTING PROGRAM, 2014 - 2016

by

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SIGNATURE/TITLE PAGE

Project Title: Alaska Department of Fish and Game statewide freshwater guided sport fishing logbook reporting program, 2014-2016

Project leader(s): Dora Sigurdsson, Fishery Biologist IV

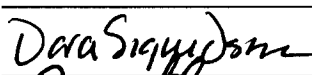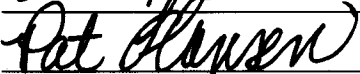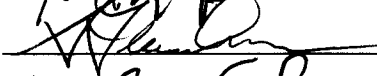Division, Region and Area Sport Fish RTS, Region 4, Anchorage

Project Nomenclature: SF-4278

Period Covered January 1, 2014 – December 31, 2016

Field Dates: January 1, 2014 – December 31, 2016

Plan Type: Category III

Approval

Title	Name	Signature	Date
Project leader	Dora Sigurdsson	*Dora Sigurdsson*	1.29.14
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INTRODUCTION

The Alaska sport fishing guide industry has experienced steady expansion and growth in recent years causing concern among users, the industry, and resource management agencies. As a result, the Alaska Department of Fish and Game (ADF&G) Division of Sport Fish initiated a program that would provide information on the number of sport fishing guides and their operations in Alaska via a freshwater logbook. The Division of Sport Fish – Research and Technical Services (RTS) has operated a program to collect information on sportfishing participation and harvest by freshwater charter vessel clients and crew in a freshwater logbook since 2005. The daily recording of information by freshwater sport fish charter businesses and their guides is required by state regulation AS 16.40.280. On May 11, 2004, the Alaska Legislature adopted a bill (HB 452) that included the establishment and requirement for all freshwater guide operators to maintain logbooks. Although saltwater operators have had this requirement since 1998, it became effective in 2005 for freshwater operators. With this additional reporting requirement for freshwater operators, ADF&G will be better able to effectively and efficiently manage Alaska's freshwater fish resources for sustained yield and ensure that the guiding industry is fairly regulated through compliance with licensing and reporting requirements.

Freshwater logbook reporting information will also be used by the Board of Fish (BOF) to adopt regulations based on accurate information on guiding activities. Accurate logbook information will serve as a valuable tool in any consideration for a moratorium, limited entry, or quota share program.

Two additional operational plans, one titled *Alaska Department of Fish and Game Statewide Sport Fishing Guide and Business Licensing and Vessel Registration Program* and another titled *Alaska Department of Fish and Game Statewide Saltwater Guided Sport Fishing Logbook Reporting Program*, will detail the sport fishing guide and business licensing process along with the vessel registration process and the saltwater guided industry. These operational plans will detail how this program will track the number of business operations and sport fishing guides along with how many vessels are operating by area in the state in saltwater.

On an annual basis, ADF&G must request that the Department of Law implement and adopt a regulation that requires all freshwater charter vessels to maintain a logbook. The regulatory effective date for the 2014 logbook regulations will be January 2014.

OBJECTIVES

The following information will be collected via the freshwater logbook.

1. For all active businesses, the following information will be collected for each day fished:

   - the number of resident and nonresident clients, non-paying anglers, and crew members fishing;
   - number of trips;
   - trip dates; and
   - sites fished.

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2. For each angler, the following information will be collected:

- king salmon[1] kept and released
- coho salmon kept and released;
- sockeye salmon kept and released;
- cutthroat, rainbow, steelhead and lake trout kept and released;
- Dolly Varden kept and released;
- Arctic grayling kept and released;
- northern pike kept and released;
- sheefish kept and released; and
- all other species kept only.

SECONDARY OBJECTIVES

1. Verify the data collected through logbooks by comparing it to the following sources:

   a. Estimates generated from the Statewide Harvest Survey SHWS (annual level) for freshwater.

   b. Data collected by the freshwater Situk River creel (trip level).

2. Outreach

   a. On-site: conducted by staff in the field to provide courtesy logbook inspections and answer questions. Not intended for evaluating accuracy.

   b. Off-site: conducted by administrative staff in the Anchorage office with emphasis on education.

3. Enforcement

   a. On-site: conducted by Alaska Wildlife Enforcement officers in the field.

   b. Off-site: conducted by the project biologist in conjunction with Wildlife Enforcement officers specifically for violations pertaining to logbook submission schedules.

STUDY DESIGN

FRESHWATER LOGBOOKS

Logbook reporting is mandatory and governed by regulation. As such, reporting is considered a census of freshwater charter trips.

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[1] The standard common name for Chinook salmon is referenced as *king salmon* throughout this operational plan, and this term is used in the logbook sheets as well, due to the more frequently used common name of king salmon used by participants in the charter fisheries. Similarly, the standard name for Pacific halibut is shortened to *halibut* throughout this operational plan.

The 2014 freshwater logbooks will consist of one logbook check-out sheet to show the business to which the logbook was issued, a vessel registration page, 50 data sheets, and a set of instructions for filling out the logbook (Appendix A). Area freshwater site maps with the site codes of statewide fishing areas are also provided with each logbook. Regional statistical maps are issued according to where the business intends to conduct its fishing operations.

ADF&G will have 3,300 freshwater logbooks printed in Anchorage for the 2014 season. Of these, 1,280 will be delivered to the Anchorage Fish and Game office, and the remaining logbooks will be distributed to ADF&G offices in Southeast Alaska, Homer, Soldotna, Kodiak, Dillingham, King Salmon, Fairbanks, Glennallen, Delta Junction, and Cordova; as well as the Kenai River Center in Soldotna. There are currently no ADF&G offices in Seward and Valdez, but local tackle shop employees and Alaska Wildlife Troopers (AWT) have volunteered to issue logbooks and have been trained by RTS staff. Most logbooks will be issued over the counter at the ADF&G area offices along with applicable site code listings, and annual 2014 vessel tags to indicate that a particular charter vessel is currently registered with ADF&G (see Licensing and Vessel Registration Operational Plan). Logbooks will also be mailed to remote guide business locations on request.

Staff will issue logbooks to 2014 licensed sport fishing businesses or their agents only. Before issuing a logbook, staff will confirm that the sport fishing business is licensed for the 2014 year by checking the Intranet business database, inspecting the actual license, or by licensing the business simultaneously to issuing a logbook at the office.

Data sheets corresponding to all guided fishing activities that occurred between January 1 through April 6 are due to ADF&G by April 14, 2014; activity after April 6, 2014, must be postmarked or returned to ADF&G by a specific dates according to a weekly schedule, as printed on the inside cover of the logbook (Appendix B). January 15, 2015, is the last day in which 2014 data can be submitted, entered into the database, and applied toward a business's record. Business owners are responsible for ensuring that all trip records are submitted to ADF&G. They can do so by mailing in their records directly, submitting records in person to a local ADF&G office, or utilizing the drop boxes available in front of select ADF&G offices.

Area staff will attempt to retrieve all data pages inserted into the drop boxes on a daily basis, except on weekends and holidays. If several days lapse between drop box checks, it is assumed that the operator inserted their logbook data pages on the first day of the lapse.

A duplicate noncarbon copy accompanies each data sheet. Data is written on the original form, which is sent to ADF&G, and the duplicate form stays in the logbook.

LOGBOOK OUTREACH

The outreach program is not designed to evaluate data accuracy but rather to reach as many operators as possible to field questions and ensure compliance with the reporting requirements. The outreach program can be conducted on-site by ADF&G employees in the field or off-site by RTS employees.

On-Site

Seasonal technicians and management staff will offer to conduct "courtesy" logbook inspections to make sure that logbooks are filled out correctly and answer any questions about how they should be filled out. These checks are not intended for evaluating the accuracy of data but rather

to encourage compliance and completeness and indicate how important logbook data is to ADF&G. These inspections will be conducted as time allows by ADF&G creel technicians during their regular checks of the primary fisheries from May through September. As technicians review logbooks in the field, they will make note of recurring questions or problems related to logbook design, incomplete or vague instructions, or situations that are not covered by the logbook instructions. These comments will be sent to the logbook project leader to consider when reviewing the logbook design in preparation for the next year. In those instances in which the creel technician does not know the answers, questions are forwarded to the project leader to respond directly to the guide operator.

Off-Site

Because it is the goal of the outreach program to ensure compliance with all reporting requirements, the emphasis is on education early in the season. Off-site outreach is conducted by RTS staff in the Anchorage office. As logbook data sheets are received by RTS, RTS staff review the data for completion and legibility prior to data entry. In the event that some of the logbook data sheets require a call to the operator or guide for clarification, staff will conduct outreach services simultaneously to verifying logbook entries. These phone calls serve as an outreach opportunity in which ADF&G is able to inform guides and businesses on how to fill out the logbooks accurately and answer any questions that the guide or business may have about the program. Phone calls to operators are not only intended to improve data quality but also to reinforce the message to the guide industry that logbook data is important and is consistently being reviewed. Outreach phone calls will occur daily from May through August except for weekends and holidays. Daily calls early in the season are intended to alleviate repeat errors in reporting, which will result in fewer calls being necessary in August and September. A log is maintained by each staff member conducting the calls. Phone logs will record the date of the call, operator name, and the nature of the problem. The most common problems and questions will be documented and provided to the logbook project leader.

LOGBOOK ENFORCEMENT

State Troopers

An agreement between the Division of Sport Fish and the Department of Public Safety – Division of Alaska Wildlife Troopers (AWT) provides information of violations directly to the AWT. This action facilitates and encourages enforcement activities related to logbook compliance. Clear and strict recording requirements and improved communications through the division's outreach program, enforcement personnel, and statewide meetings with charter groups have resulted in increased enforcement success.

AWT has prioritized the enforcement of complete and timely logbook reporting and submission on a statewide level. Most logbook offenses are considered bailable and can be paid with a fine, but for flagrant cases the Troopers may write a court summons. The owner of the operation and the guide are allowed to continue operation after being cited. In the case of serious offenses that result in charges where a guide or business license is revoked, the judicial system notifies the project coordinator of these incidents. License revocations can vary in duration depending on the violation, but they are always flagged for future reference in the ADF&G database in the event that a guide or business attempts to become licensed while their right to provide services remains revoked.

The logbook project coordinator will become aware of violations of late submissions and overharvesting during the course of conducting weekly edits; the project coordinator forwards all violations to the local AWT officer for the region in which the violation occurred. AWT officers conduct regular logbook checks as part of their regular enforcement duties. Unless a citation results in a license revocation, ADF&G does not need to be informed. AWT posts citations (but not convictions) on their web site at http://www.dps.state.ak.us/PIO/dispatch.

In April/May 2014, area management biologists (AMB) will submit their annual enforcement priorities for their region. Each AMB will typically request that logbook enforcement be a priority. As a result of this request, AWT has established logbook enforcement as a high priority during May through September.

ADF&G Staff On-site

Additional enforcement in the field will be conducted on a periodic basis, at a minimum, by ADF&G enforcement-qualified staff. Regional offices will specify the staff to be involved and the desired level of activity on an annual basis.

Staff will contact guide operators at boat ramps, launch sites, or camp sites during or after offloading of fish or clients. Guide operators are only required to present a logbook for inspection if they are at the location that requires logbooks to be filled out. For example, if staff were counting fish at a launch site where fish remain in the vessel, the logbook would have to be completed prior to offloading the fish; however, the logbook would not be required to be on board the vessel. A logbook could remain in the vehicle intended to haul the vessel out of the water, as long as it is completed prior to offloading fish.

ADF&G staff will document each charter boat contact. A standard form is not required because this information will not be used to check the accuracy of logbook data. Procedures for handling violations should be discussed with the local trooper before engaging in enforcement activity. Generally it is preferable for deputized ADF&G staff to document violations and turn the information over to troopers than to write the citation themselves. Under this approach, ADF&G staff will collect as much detailed information as possible on suspected violations by documenting date, time, operator/owner or guide name, vessel name, nature of violation, actions or interactions taken, and details on potential witnesses or clients. This information will be forwarded to a local trooper for further action. ADF&G staff will be available to AWT for assistance if further information is required.

Off-Site

RTS will determine which businesses are sending in logbook data sheets after the required deadline. RTS will follow a procedure to track and submit late logbook submissions to local AWT officers. Logbooks submitted two weeks and one day after the week of activity will be considered late and therefore in violation. A one-week grace period is provided beyond the due date schedule printed inside the front cover of the logbook (e.g., for the week of activity from May 5 to May 11, the printed due date is May 19, but the extended due date would be May 26). Any logbook submission after the grace period will be forwarded to the enforcement officer nearest to the area of activity. RTS will enter the data prior to forwarding them to AWT.

RTS programming staff will continue to track the businesses that chronically submit late logbooks. RTS will differentiate between operators chronically late by one or two weeks and those that wait until the postseason period to return an entire season's worth of logbook data.

Those operators who are chronically late by a week or two will get a warning phone call before RTS staff inform AWT. Due to the delay in data entry from the time of receipt to time of data entry, phone calls to operators may not take place in a timely manner, but these calls will still be carried out within the fishing season to reinforce the importance of timely submission. Names of operators who submit a season's worth of data at the end of the year will be immediately forwarded to AWT along with all the appropriate information necessary to pursue a conviction. RTS has worked closely with AWT in this area and will continue to do so. In 2012, a late logbook submission policy was adopted (Appendix C). The policy is intended to provide ADF&G staff with guidance on how to deal with untimely submissions of logbook data pages and the associated enforcement protocols.

The Division of Sport Fish recognizes that there may be situations in which some businesses, due to their remote locations or the nature of their operations, will not be able to comply with the weekly reporting requirements. In these instances, RTS will work with the business to agree upon an alternate reporting schedule without penalty. Businesses in this situation are directed to contact the logbook program coordinator and explain their situation and the schedule that will work for them. The business name, owner name, logbook numbers, and reason for late submissions will be noted in order to prevent any enforcement action toward these businesses for late logbook submissions.

VERIFICATION

Freshwater logbook data will be compared to information collected from the Situk River Creel Survey and the Statewide Harvest Survey (SWHS). This will allow the comparison of data captured above and below the weir between the creel survey and freshwater logbook (Marston 2013; Appendix D). The standard SWHS collects guided effort and harvest for all targeted species in freshwater areas of Cook Inlet and the Kenai and Kasilof rivers. The estimated total catch and harvest by species and area from the SWHS will be compared to the logbook data summarized at the same level. Due to the late availability of Situk River Creel data, the current operational plan will reflect two-year-old data (i.e., the 2014 plan will include creel data from 2012). A summary of Situk River Creel data from 2013 will be provided upon completion from the area biologist in the spring of 2014, but it will be too late for this FY14 operational plan.

DATA COLLECTION

FRESHWATER LOGBOOK

The following information will be recorded on the 2014 logbook data sheet:

- ADF&G guide license number
- date that fishing took place
- name of river, stream, or lake fished
- site code associated with the site fished
- number of pages used per trip to specify the type of any "Other" species harvested
- 2014 ADF&G sport fishing license numbers and client residency for crew, client, and "comped" (nonpaying) anglers

- effort (by individual client or crew) for salmon, trout, and all other species
- breakdown by species of fish kept and released

Unique guide information is collected on each data page and includes the ADF&G guide license number of the guide that led that trip. The logbook number is tied to the business for which the guide works.

DATA REDUCTION

LOGBOOK RECEIPT

Logbook data sheets that are returned directly to area offices or placed in drop boxes will be date-stamped with the date received by each office.

ADF&G offices located near southeast marine harbors in Juneau, Sitka, Petersburg, Ketchikan, and Haines will provide secure, clearly marked drop boxes for both saltwater and freshwater logbook data sheets. Drop boxes in Southcentral Alaska will be located in Soldotna and Kodiak. Each area office with a drop box will schedule regular drop box checks, with greater frequency desirable during July and August.

Returned logbook data pages that are mailed to RTS will be checked to confirm that the logbook number in the upper right corner is intact and legible. If it is missing, the logbook number will be determined from other log sheets in the same envelope. If no reference to a business license is available and the envelope contains no other log sheets, the log sheet will be flagged with a yellow post-it note and the original envelope will be attached for later review by the project staff.

A logbook receipt will be available to any business owner or guide who personally hands in any data sheets and requests proof of submission. Area offices will design their own version of a receipt that will include the date received, logbook number, page number, and initials of the ADF&G recipient.

LOGBOOK DATA HANDLING AND ENTRY

Data entry of the logbook data (catch, harvest, effort, and location) will be completed by RTS data-processing personnel (Appendix E). Data entry instructions will be updated annually, included in the current year's Operational Plan, and posted to the Intranet collection at http://docushare.sf.adfg.state.ak.us/dsweb/View/Collection-6718.

The returned logbook sheets will be visually reviewed by project staff prior to data entry, as follows:

- Beginning with the upper left column on a log sheet, the GUIDE LICENSE number must be provided on every log sheet. BUSINESS owner information is filled in automatically when the logbook number is entered. There is no option to change or delete it. If the GUIDE LICENSE number is blank, the electronic scans from the same logbook can be consulted to try to determine the number. If no determination can be made, a follow-up phone call to the business will be necessary.

- Continuing down the left column of the log sheet, the DATE FISHED fields must be filled in. If there is fishing activity indicated and the DATE FISHED fields are blank, a follow-up call will be necessary to get this information. If follow-up contact cannot be

made, the DATE FISHED may be possible to determine from other pages received from the same logbook. The electronic scans of the pages will need to be consulted to make this determination.

- A valid site name or site number must be provided on every log page. If an abbreviation is used, the coder will refer to the master list of sites and cross-reference it with the site code for verification. If the entry is illegible, the coder may refer to other pages submitted for the same logbook to ascertain the possible correct site name or site code. If both the site name and site code fields are blank or otherwise indeterminable, a call will need to be made to the operator to determine the correct value. If a site name occurs that does not already exist, the data page is set aside for later review. During the postseason review, a check on the frequency of response to this same site is determined before a decision is made to place this site on the master site list.

- Continuing down the left column of the log sheet, PAGE NO. ___ OF ___ should not be left blank. If a trip included 6 or fewer anglers, the page number should be PAGE NO. 1 OF 1. If more than 6 anglers were on a trip, additional pages will be required to complete the trip information. If either part of the page number field is blank, the coder should research the preceding and following pages of the logbook in question, checking the DATE FISHED field for guidance in completing the page number fields. If the PAGE NO. fields are blank and two or more consecutive pages have the same DATE FISHED, the PAGE NO. field should be as follows: "Page 1 of 2," "Page 2 of 2," and so on. An exception to this rule is when each page lists fewer than 6 anglers; in that case, it could indicate multiple trips by the operator on the same day. Thus, it is important to look at not only the DATE FISHED field but also the client or angler information.

- Moving over to the right side of the log sheet, the first visual check should be a visual check of the residency (*R* or *N*) for Resident or Nonresident, a value that is circled for every angler on the trip.

- The next visual check should confirm whether SPORT FISHING LICENSE numbers begin with a valid character. In 2014, valid first characters will be *4*(for 2014), *D*, *T*, or *Z*. If a license number begins with a *D*, *T* or *Z*, it must be 6 characters in length. If the number begins with a zero, it must be 7 characters in length. If it begins with any other character, the coder should flag the log sheet for further review.

- In 2014, if an angler was under 16 years of age, the value in the SPORT FISHING LICENSE field will be YA1, or YA2 and YA3 for youth anglers one, two and three on the same trip who are not required to have a sport fishing license

  If the SPORT FISH LICENSE field is blank but the harvest or release of any species is indicated anywhere across the line, the coder should flag the log sheet for further review. A follow-up call may be required to ascertain the information.

- Moving over to the right side of the log sheet, the next review should be a visual check of the crew or "comped" (nonpaying) status of the angler. This value must be circled for every angler who is also a crew member or employee of the business or who did not provide compensation.

Once data page scanning is completed, the original completed forms will be returned to file storage boxes for short-term storage. These pages will be held in storage pending any requests from ADF&G staff or recycled after the final report is published.

RTS staff will scan and verify data as recorded on the logbook forms or as corrected based on follow-up phone calls (see Logbook Outreach); edits or modifications to data will only be made when logic dictates or follow-up calls have clarified data.

Notations on changes and why they were made will be entered directly on the logbook page that will be scanned.

LOGBOOK COMPUTER-BASED EDITING

Although some errors will be detected in the data coding phase, the majority of problems will be dealt with via computer-based editing programs. Year, vessel, business, and guide information will be entered into the FLOGBOOKS table of the GUIDEDATA database (Appendix F). Logbook page information about anglers' effort, fishing locations, and dates will be entered into the FLOGTRIPS table of the same database. Angler information and harvest/catch information is entered in the FANGLERHARVEST table. Computer-based editing, including the following procedures, will be completed on these tables:

- A Bag Limit table will be created in the database and will be updated on an annual basis. This table will contain information about the species and their bag limits for fishing locations statewide. The table will be used to compare the reported harvest with the legal limit allowed. If the reported harvest consistently exceeds the legal limit, the record will be flagged and project staff will follow up with the guide to determine the validity of the reported harvest. No edits or changes to the kept or released numbers will occur unless a call to the operator indicates that an error was made during the time the trip was recorded in the field by the guide.

- Programming code will be written that will determine outlying values in all the species' released fields. These outliers will be investigated by project staff for possible data entry errors. If there is no data entry error, the guide will be contacted to confirm the reported released (RELE) values.

- Site name/code consistency

  - Site names and codes duplicate those used by Statewide Harvest Survey protocols as SWHS areas. The site list contains all freshwater locations statewide that have been reported in the SWHS by survey recipients. Sites are assigned an alpha character corresponding to a designated area of the state (areas A through Z), followed by a 5-digit number specific to a site. The first designation is an alpha character designating the survey area: e.g., Ketchikan (A), Prince of Wales Island (B), Knik Arm Drainage (K), and North Gulf Coast/Prince William Sound (J). Unknown site numbers are set aside for review and frequency of occurrence or assigned a number within the same watershed. The master list of sites is identical to the site list referenced for the SWHS.

  - Further designation is assigned based on general region of the state (SC= Southcentral, SE = Southeast, AYK = Arctic-Yukon-Kuskokwim).

- The list of freshwater site codes is reviewed and updated on an annual basis. Area managers are contacted to review and comment on the current site-code list. If the manager requests the addition, deletion, or modification of a site for management purposes, the request is reviewed and usually accommodated.

- Guide license numbers are reviewed to make sure that they are valid licenses for the year in question. To identify problems, the sl_licnum field in the SLOGTRIPS table is compared to the gu_licnum field in the GUIDES table. If the sl_licnum field matches a gu_licnum record for the current year, it is not evaluated any further. If the sl_licnum record does not match a gu_licnum record for the current year, it is considered to be in error and further evaluated.

Reports generated from this database will include

- summaries of vessel, guide, and business information, and

- summaries by area and sites.

A weekly printout of records flagged as exceeding legal bag limits will be reviewed to compare the area- or site-specific sport fish harvest regulations for the year. Each flagged record will be double-checked. If some records have been flagged for harvests that actually fall within the site's bag limits, the records will be noted for further review.

Regional Sport Fish Division regulations and emergency orders will be reviewed to determine if overharvesting has occurred. In some cases the guide/operator probably recorded the harvest using the wrong site code, site name, or species column. In other cases the guide/operator may have misidentified the harvest. Some harvests are too unusual to be changed and will be flagged in the database as unusable. If there are two or more possibilities for the correct response and none of the possibilities seem more likely than the others, then the record will also be flagged. The edit programs will be updated to reflect the area biologist's recommendations.

The editing programs will produce listings that identify all changes made, record by record. This information will be maintained in electronic form. Editing programs include comments and annotations that explain the nature of the code, identify changes made from previous years, and identify areas that need to be addressed. When all editing has been completed, an electronic file summary of all the editing that has occurred will be maintained to document revisions.

A report will be generated from the logbook database that summarizes the program history, business and guide licensing information, vessel statistics, and summary statistics for harvest and participation data by area and fishing site for 2014. The summary statistics for harvest will be reviewed and edited by hand to correct as much of the data as possible and to check for errors in the computer editing programs. All editing will be documented.

An outlier-detection process occurs during the editing process, before a final data set is used for report generation. A report of harvest by site and species will be produced. An email containing instructions on where to access the preliminary summary report on the divisional DocuShare website will be sent to the regional supervisors and area biologists. The biologists will be asked to identify any problems with the data. Changes or corrections recommended by area biologists will be incorporated into the database(s) as appropriate. All recommendations made by area biologists will be documented and filed.

Many tables will be generated from the database for use in the final published report (Sigurdsson and Powers 2009, 2010, 2011, 2012, 2013). The tables generated from the database may require minor alterations and modifications to improve them to publication quality. Several programs, as well as word processing, will be involved. Several miscellaneous tables not included in the published report will also be made available upon request.

BEGIN DATA ANALYSIS

LOGBOOK

Since the logbook program is considered a census of freshwater charter trips and their characteristics, the data analysis procedures to achieve the objectives simply involve summarizing the reported characteristics according to the summary level of interest.

VERIFICATION

Annual Level

Following the methods described in Clark (*in prep*), comparisons will be made between the total catch and harvest by species and area reported in the logbooks and estimates from the SWHS summarized at the same level. The SWHS collects guided effort and harvest from Cook Inlet saltwater areas for all targeted species.

Trip Level

Data collected from the 2014 freshwater logbook will be compared with the 2014 Situk River Chinook salmon creel survey (Appendix D). Kenai and Kasilof river creel surveys do not collect enough specific logbook information that identifies the guide, vessel number, or logbook number that would allow a day-by-day comparison.

SCHEDULES, BUDGET, AND PERSONNEL

The schedules for each of the tasks associated with the 2014 sport fishing freshwater logbook reporting are identified below.

November–December 2013	Develop and finalize the 2014 freshwater logbooks. Regional changes were incorporated, and the final draft of the 2014 logbook was prepared and distributed to regional management coordinators in Southeast and Southcentral Alaska. Bids were obtained and the contract awarded for printing and distribution of year 2014 logbooks.
October–December 2013	Prepare printing contracts and deliver electronic logbook and license templates to printer.
January–February 2014	Logbooks are delivered to regional and area ADF&G offices.
March 2014	Logbook data entry screens and scanning software are available.
May–August 2014	Daily follow-up phone calls are conducted to operators and guides who have missing, erroneous, or illegible information in their logbooks.
January 15, 2015	Final deadline for the receipt of 2014 logbook data sheets.
March–May 2015	Logbook data entry for 2014 is completed. Preliminary 2014 data is available for review by AMBs. Logbook verification and comparison study is conducted.
May–July 2015	Editing comments from AMB reviews are due back to RTS. Final publication.

The divisional Intranet site will provide an interface for project staff to view draft summaries of logbook data at

http://docushare.sf.adfg.state.ak.us/dsweb/View/Collection-6718.

BUDGET SUMMARY

Code	Line Item	Cost
100	Personnel Services	$283.6
200	Travel	$ 5.5
300	Contractual	$64.7
400	Commodities	$ 7.0
500	Equipment	$ 0.0
	TOTAL	$360.8

Budget Manager: Dora Sigurdsson, Fishery Biologist

PROJECT PERSONNEL

Name	Job Class	Months Budgeted
Dora Sigurdsson	Fishery Biologist IV	0.0
Bob Powers	Research Analyst III	4.0
Kathy Kush	Program Technician	12.0
Cindy Palmatier	Office Assistant II	11.0
Raili Kedzior	Office Assistant II	7.0
Diane Novinska	Office Assistant II	7.0
Andrea Hamby	Office Assistant I	6.0
Southeast staff		
Southcentral staff		
AYK staff		

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Clark, Robert A. *In prep*. An evaluation of guide/charter harvest from the Alaska sport fishing guide/business logbook. Alaska Department of Fish and Game, Special Publication, Anchorage.

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Sigurdsson, D. and B. Powers. 2010. Participation, effort, and harvest in the sport fish business/guide licensing and logbook programs, 2009. Alaska Department of Fish and Game, Fishery Data Series No. 10-65, Anchorage.

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Sigurdsson, D. and B. Powers. 2012. Participation, effort, and harvest in the sport fish business/guide licensing and logbook programs, 2011. Alaska Department of Fish and Game, Fishery Data Series No. 12-27. Anchorage.

Sigurdsson, D. and B. Powers. 2013. Participation, effort, and harvest in the sport fish business/guide licensing and logbook programs, 2012. Alaska Department of Fish and Game, Fishery Data Series No. 13-37. Anchorage.

RESPONSIBILITIES

The following provides more detail on the specific assignments of each person working on the logbook and registration projects, their title, job classification, and total combined months for all tasks.

Dora Sigurdsson, Fishery Biologist IV

Duties: Coordinates all aspects of the guide and business registration and logbook project, manages budget, develops form design, and writes the operational plan and final report. Works with Regional Management Coordinators to define project objectives and coordinate provision of information requests.

Pat Hansen, Biometrician III

Duties: Project biometrician. Provides input on data collection, reviews and approves operational plan, and assists with evaluation of resultant information and any comparisons with freshwater creel surveys that may be available.

Bob Powers, Research Analyst III

Duties: Research analyst in charge of data cleanup and updates. Develops programs and runs retrievals for logbook requests, runs computer editing programs, reviews and edits master files, and assists in generating estimates. Conducts analyses and comparisons of logbook information with information from other on-site and off-site statewide programs. Develops a statewide database of corrected and accurate logbook data.

Kirk Brogdon, Analyst Programmer V

Duties: Lead analyst and programmer for the licensing and logbooks projects. Designs systems for data capture and data summaries.

Kathy Kush, Program Technician

Duties: Provides clerical data processing and data entry service for business and guide licensing forms and logbook sign-out forms. Conducts the printing bid process and coordinates printing and distribution.

Diane Novinska, Raili Kedzior, Andrea Hamby, Cindy Palmatier, Office Assistants

Duties: Provide clerical data processing, scanning, and data entry services of logbook forms and logbook sign-out forms for saltwater and freshwater logbooks. Review logbook data for clarity and errors. Conduct daily follow-up with guides and charter businesses during data review and editing as part of the processing step to final completion.

Southeast staff (under direction of Bob Chadwick and Mike Jaenicke)

Duties: Collect regional logbook sheets, record Chinook data needed in season, contact businesses to clarify errors in logbook sheets, register guides and sport fishing businesses, distribute logbooks, and coordinate with RTS on any issues needing clarity. Conduct on-site outreach at selected freshwater ports.

Southcentral staff (under direction of Tom Vania, Matt Miller, Scott Meyer and Donn Tracy)

Duties: Register guides and sport fishing businesses, distribute logbooks, and coordinate with RTS on any issues needing clarity. Conduct on-site outreach at selected freshwater ports. .

Arctic-Yukon-Kuskokwim region III staff (under direction of Don Roach and Tom Taube)

Duties: Register guides and sport fishing businesses, distribute logbooks, and coordinate with RTS on any issues needing clarity. Conduct on-site outreach at selected freshwater ports.

APPENDIX A
2014 FRESHWATER LOGBOOK

2014 Freshwater Sport Fish Guide Logbook and Vessel Registration

LOGBOOK NO. _____

_____
BUSINESS NAME

_____
ADF&G BUSINESS OWNER'S LICENSE NO.
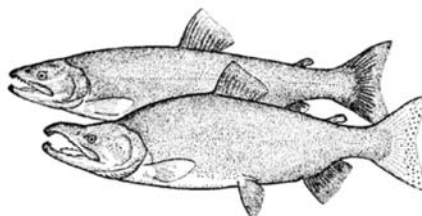
Please follow the instructions carefully as they have changed.

State of Alaska Department of Fish & Game
Division of Sport Fish

LOGBOOK INSPECTION

Upon request from any representative of the Department or any peace officer of the state, a person is required to present this Alaska Department of Fish and Game Freshwater Sport Fishing Guide Logbook for inspection.

-continued-

Appendix A1.-Example of 2014 freshwater charter logbook.

LOGBOOK NO.

2014 FRESHWATER SPORT FISH
Logbook Sign-Out

SPORT FISH BUSINESS INFORMATION

Must have a <u>current</u> ADF&G Business License Number

_____
NAME OF PERSON TO WHOM THIS LOGBOOK WAS ISSUED
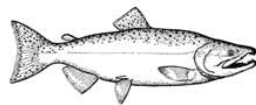
_____
SPORT FISHING BUSINESS NAME

_____
ADF&G LICENSE NUMBER OF BUSINESS *(NOT A "GUIDE ONLY" LICENSE)*

_____
CONTACT PHONE NUMBER

Do you plan to use a <u>vessel</u> while providing sport fishing guided services in freshwater?

No ☐   Yes ☐   (If yes, list vessels on pg. iii)

INSTRUCTIONS TO ADF&G REPRESENTATIVE

Please forward the white copy of this form to:

Sport Fish Research & Technical Services
333 Raspberry Rd., Anchorage, AK 99518

ADF&G area offices <u>**will**</u> keep the pink copy on file.

Do **NOT** issue a logbook unless the applicant has the following:
- 2014 ADF&G Business License;
- Current AK Boat Number issued by DMV **OR** current U.S.C.G. Vessel Documentation number, if applicable.

None of the required information can be "pending." This form must be complete and accurate to the best of your knowledge.

Incomplete forms will be returned to you for follow-up and completion, resulting in a processing delay.

<u>DID YOU PROVIDE A SITE CODE LIST ?</u>

_____
ADF&G REPRESENTATIVE (PRINT)

_____
AREA OFFICE   DATE OF ISSUE

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2014 FRESHWATER SPORT FISH GUIDE
Vessel Registration

NOTE TO ADF&G REPRESENTATIVE

Confirm that the vessel information requested on the bottom of this page is complete. Every vessel that this business is intending to operate while providing sport fishing guided services, must be recorded.

Attach the white (top) copy of this page to the sign-out sheet, whether or not there are registered vessels. Mail the sign-out sheet and the vessel registration page to the Anchorage ADF&G RTS office at 333 Raspberry Rd., Anchorage, AK 99518-1565.

REGISTERING YOUR VESSEL(S)

For each vessel you plan to use to conduct sport fishing guided activities, please fill out the information below.

If a vessel is newly purchased, leased or borrowed at anytime during the guiding season, it must have a current AK Boat Number **or** a U.S.C.G. documentation number. If a vessel is added during the season, call the local ADF&G office or (907) 267-2369.

For purposes of vessel registration, vessels are defined as: **rafts, canoes, kayaks, motorized and nonmotorized water vehicles.**

Registration Exemption: Personal Float Tubes.

MULTIPLE LOGBOOKS?
Note logbook number where vessel information has been provided:

AK BOAT NO. OR U.S.C.G. VESSEL DOC. NO.	PRIMARY AK DRAINAGE/COMMUNITY THE VESSEL WILL OPERATE OUT OF IN 2014

Continue on another sheet if you have more vessels. Transfer the business name and logbook number onto that extra sheet.

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Logbook Instructions

VESSEL REGISTRATION

The following applies to all **powered and non-powered** vessels being used to conduct sport fishing guided activities:

- Must be currently licensed with the Alaska Division of Motor Vehicles (DMV) and hold a current AK Registration number or hold a current U.S.Coast Guard (U.S.C.G.) Vessel Documentation number.
- Must be registered with the Alaska Department of Fish and Game (ADF&G) and display an ADF&G vessel decal with the current year tag.
- Vessels borrowed or purchased in-season must adhere to the above criteria and display ADF&G sport fish guide vessel decals.

Upon registration, each vessel is issued two charter vessel decals and current year tabs.

See page iii for instructions on vessels that are added midseason.

VESSEL DECALS/YEAR TABS

One set of ADF&G decals will be issued per registered vessel. Decals must be displayed and visible on each side of the vessel. Decals do not have to be applied directly to the hull of the vessel. Decals can be adhered to wood, fiberglass or plexiglas® which in turn is secured to each side of the vessel. Decals can be transferred from one vessel to another, as long as the receiving vessel has a current AK registration number from DMV **or** a U.S.C.G. documentation number and has been registered with ADF&G. Decals are designed to withstand several years of use. Annual tabs will be issued as vessels are registered. Annual year tabs are to be adhered directly to the decal in the designated area.

RESPONSIBILITY OF OWNER & GUIDE

It is the responsibility of the **guide** to ensure that daily trip activity is accurately recorded as described on page v - vii.

It is the responsibility of the **business owner** (owner of the sport fish owner/operators license) to ensure that all data for fishing activities from January 1, 2014 through December 31, 2014 is submitted to ADF&G according to the schedule on the inside the front cover.

WHAT A GUIDE MUST HAVE IN POSSESSION WHILE GUIDING

While engaged in providing sport fish guide services, a sport fishing **guide** shall have the following readily available for inspection upon request of a representative of the Department or a peace officer of the state:

- Valid ADF&G sport fishing guide license;

- Copy of the current ADF&G sport fishing operator's (business owner) license of the guide's employer;

- Valid Alaska sport fishing license, tags, stamps or permits that are required to engage in the sport fishery for which guide services are being provided;

- Identification card issued to the sport fishing guide by a state or federal agency that bears a photo of the sport fishing guide (e.g. driver's license);

- Other agencies may have additional requirements (e.g. U.S.C.G.). It is the guides responsibility to determine what those requirements are.

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2014 FRESHWATER SPORT FISH GUIDE
Logbook Instructions

WHEN TO COMPLETE A LOGBOOK

Client Information: The sport fish license number must be recorded for all paying clients, "comped" anglers, and crew that fished during any part of the trip. A **"comped"** angler is an angler who is **not paying** for this trip; it can include family, friends or other acquaintances.

The logbook must be completed at the end of each day of fishing or at the end of each trip within a day as described below through the last trip of the season.

The guide that leads the trip is required to complete this logbook per the schedule described below.

VESSEL USED

Returning to a lodge, camp, dock or mooring location:

Complete the logbook before offloading any fish from the vessel. If no fish were kept, complete the logbook before offloading any clients.

Returning to a boat ramp, launching site, or other client drop off location:

Complete the logbook before the vessel or guide departs the launching /landing site **AND** before offloading any fish from the vessel.

If no fish were kept, complete the logbook before the guide departs the launch/landing site.

NO VESSEL USED

Aircraft, highway vehicles, walk-in, ATVs, etc.

Complete the logbook before the guide leaves the fishing site. Fishing site is defined as the location where the fishing activity took place. Refer to the list of unique freshwater site codes provided with the logbook.

MULTIPLE TRIPS PER DAY

Each trip of multiple trips in a day should be logged on a separate logbook sheet. Complete the logbook at the end of each trip, as described above.

MULTIPLE DAY TRIPS

Complete the logbook at day's end for each day of the trip. Use a separate logbook data sheet for each day of that trip.

MULTIPLE SITES FISHED

If multiple sites were fished on the same day, write down each site fished prior to leaving that fishing site per the instructions above. Each site would have the same date and would require a new logbook page. This includes those river systems containing multiple and unique site code numbers.

RETURN THE LOGBOOK REPORTS WEEKLY

Fishing activity that occurs prior to April 6, 2014 is due to ADF&G by April 14, 2014; all activity, thereafter, must be received by ADF&G offices **EVERY WEEK** as detailed in the schedule provided on the inside of the front cover of this book.

For fishing activity that occurs in the early winter of 2015, please call the local ADF&G office for logbook instructions if the 2015 logbooks are not yet available.

All 2014 logbook data must be received by January 15, 2015.

PINK COPIES ARE TO REMAIN IN THE LOGBOOK.

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Logbooks are issued to individual licensed businesses. Due to the variety of ways that freshwater businesses conduct operations, the number of logbooks issued to a unique business will vary.

The business owner or their representative must determine how many logbooks that business will be required to have in order to comply with the recording requirements outlined in the instructions. For example, an operation that conducts business from a lodge with 6 guides may need more logbooks than a single owner/operator with one vessel that is trailered.

A logbook is assigned by ADF&G to the business; the business owner can distribute individual logbooks to a vessel or to a guide. It is up to the discretion of the business owner to distribute logbooks to employed guides in any manner that facilitates the timely recording of trip information as described previously in the instructions.

Remember: it is the responsibility of the **guide** to complete daily trip activity in the logbook. It is the responsibility of the **business owner** to ensure that all data is submitted to ADF&G in a timely manner.

ADF&G Sport Fish Guide License Number - The current guide license number issued by ADF&G to the guide for a specific year. Only one guide license number should appear on each logsheet page.

Date Fished- The date for each trip taken. If multiple trips to multiple different fishing sites were taken on the same day, that date and unique trip information would appear on as many data sheets as there were unique trips. Although the date would be the same, client information and trip specifics may differ. If there were more than six clients, continue on a separate logsheet with the trip information and individual angler license information carried over to the next page.

River/Stream/Lake (Specify) - The name of the site where fishing activity occurred.

Site Code - Refer to the site code list provided with the logbook for the site code associated with the river, stream or lake where fishing activity occurred. Write the site code down as it appears on this list. If no site code exists for your fishing site, use the code for Other Streams or Other Lakes.

Page Number - On each logsheet, record the page no. if multiple pages were necessary to fit in all the client information. Note the total no. of pages used for that trip.

Other Species Write-In - On the line denoted with an *, write in the name of the "other" species kept or released. Use the last blank column on the right to record this "other" species of fish as long as it does not already have an existing column. If more than one "other" species is kept or released, use an existing column, cross out the existing species of fish not present at this fishing site and write in the name of that second species.

Once a species has been written in, that column becomes dedicated to that species for the remainder of that logsheet.

Examples of Other Species: pink (or humpy) salmon, chum (or dog) salmon, burbot, and whitefish.

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Residency - In the columns to the left of each sport fish license number, **circle:**

- **R** for **Resident** or **N** for **Nonresident**.

Sport Fish License Number - Record the current Alaska Sport Fishing License number, resident PID (permanent license number) or DAV (disabled AK veteran license number) of **each client, comped angler, and crew that fished**. A **"comped"** angler is an angler who is **not paying** for this charter; it can include family, friends or other acquaintances.

Record anglers under 16 years of age as **"Youth angler 1 (YA1)**, **Youth angler 2 (YA2)"** etc., uniquely identifying them as 1, 2 or 3 for as many as fished on each trip.

Record the license numbers of those clients that **actively** fished during any part of the trip regardless of whether they caught anything. Use one line per angler, recording the license number and all activity on that line.

Crew Status and "Comped" Anglers should be noted to the right of each angler sport fish license number, if applicable, **circle:**

- **X** if angler is **"Comped"** (nonpaying) or
- **C** if angler is **Crew member**

RECORDING SALMON AND OTHER SPECIES

Fish Kept & Released - Record the total number of fish kept **(K)** in the white row and released **(R)** in the gray row by each angler during that trip. Each angler's license number has a dedicated line assigned on each logbook sheet. If the same angler goes on more than one trip on the same day, that angler's license number will appear on as many logsheets as were used.

PROXY FISHING INSTRUCTIONS

If a paying client is also proxy fishing for a beneficiary, that client **must** have the fishing license of the person for whom he/she is fishing. Write down the license number of the recipient of the fish (beneficiary), followed by a **(P)** to indicate proxy, e.g. **123456-P**.

Use two lines on the logbook data sheet, one for the angler's license number and one for the beneficiary's license number. Indicate **(R)** for Resident in the adjacent column; beneficiaries and those fishing for them **must** be residents of Alaska.

For permanent licenses (residents only), write down the entire license number, including the preceding alpha character, which can be a **P, D, T or Z**, i.e. **Z50148-P**.

CONTACT INFORMATION

For questions or to register a vessel, please contact:

- Division of Sport Fish, Guide Licensing and Logbook Program in Anchorage, Alaska at (907) 267-2369 or (907) 267-2390.

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Alaska Department of Fish & Game
2014 Freshwater Sport Fish Trip Logbook
RETURN TO: 333 RASPBERRY ROAD, ANCHORAGE, AK 99518-1565 • QUESTIONS: (907) 267-2369

LOGBOOK NO.

TRIP INFORMATION	Angler Residency *(Circle One)*		Sport Fish License Number of each Client, Nonpaying angler, and Crew THAT FISHED AND Record all those anglers under 16 as "Youth Angler" (YA1, YA2etc.)	*Circle One if applicable*		KEPT/RELEASED	SALMON			TROUT				OTHER					
	Resident	NonResident		Comped	Crew		KING	COHO	SOCKEYE	CUTTHROAT	RAINBOW	STEELHEAD	LAKE TROUT	DOLLY VARDEN/ ARCTIC CHAR	ARCTIC GRAYLING	NORTHERN PIKE	SHEEFISH	*	
2014 ADF&G GUIDE LICENSE #: _____																			
DATE FISHED: _____ _____, 2014 (Month) (Day)	R	N		X	C	K					KEPT								
						R					RELEASED								
	R	N		X	C	K					KEPT								
RIVER / STREAM / LAKE (SPECIFY)						R					RELEASED								
	R	N		X	C	K					KEPT								
_____						R					RELEASED								
SITE CODE (REFER TO SITE CODE LIST)	R	N		X	C	K					KEPT								
						R					RELEASED								
PAGE NO. _____ OF _____ TOTAL NO. OF PAGES FOR THIS TRIP ↑	R	N		X	C	K					KEPT								
						R					RELEASED								
* WRITE IN OTHER SPECIES HERE	R	N		X	C	K					KEPT								
						R					RELEASED								

CERTIFICATION: I certify that the information provided herein is accurate and true. Falsification or omission of information on this form is punishable under AS 11.56.210(a) and 5 AAC 75.076.

X _____ GUIDE SIGNATURE

CONTINUE ON NEXT PAGE IF MORE THAN 6 ANGLERS.
CHECK IF TRIP INFORMATION IS CONTINUED ON NEXT PAGE: ☐

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APPENDIX B
LOGBOOK DATA PAGE RETURN SCHEDULE

Monday to Sunday Activity During the week of:	Postmarked or Received by ADF&G (Mondays):
January 1 – April 6	April 14
April 7 – April 13	April 21
April 14 – April 20	April 28
April 21 – April 27	May 5
April 28 – May 4	May 12
May 5 – May 11	May 19
May 12 – May 18	May 27
May 19 – May 25	June 2
May 26 – June 1	June 9
June 2 – June 8	June 16
June 9 – June 15	June 23
June 16 – June 22	June 30
June 23 – June 29	July 7
June 30 – July 6	July 14
July 7 – July 13	July 21
July 14 – July 20	July 28
July 21 – July 27	August 4
July 28 – August 3	August 11
August 4 – August 10	August 18
August 11 – August 17	August 25
August 18 – August 24	September 2
August 25 – August 31	September 8
September 1 – September 7	September 15
September 8 – September 14	September 22
September 15 – September 21	September 29
September 22 – September 28	October 6
September 29 – October 5	October 13
October 6 – October 12	October 20
October 13 – October 19	October 27
October 20 – October 26	November 3
October 27 – November 2	November 10
November 3 – November 9	November 17
November 10 – November 16	November 24
November 17 – November 23	December 1
November 24 – November 30	December 8
December 1 – December 7	December 15
December 8 – December 14	December 22
December 15 – December 21	December 29
December 22 – December 28	January 5, 2015
December 29 – December 31	January 12, 2015

Appendix B1.–Return schedule for logbook data pages.

APPENDIX C
LATE LOGBOOK SUBMISSION POLICY

LATE LOGBOOK SUBMISSION POLICY

Alaska Department of Fish and Game
Sport Fish Division

INTRODUCTION

Logbook reporting provides Department of Fish and Game (ADF&G) managers with estimates of guided effort and harvest in freshwater and saltwater. It also provides the number of operating businesses, guides, guided vessels, and trips. Information gathered from the logbooks is used to evaluate and adopt regulations based on accurate reporting of guiding activities, and to assure that stocks are managed for the continued benefit of sport fishermen. Logbook information is also used in determining the sport fish industry's economic benefit to Alaska.

The purpose of this policy is to provide staff with guidance in dealing with untimely submissions of logbooks. It provides summaries of the: history and evolution of the logbook program with respect to timeliness of submissions; public information concerning timeliness of submissions, and; business and guide activity as provided by logbooks. It also provides enforcement protocol.

HISTORY AND EVOLUTION

Daily recording of guided trip information and weekly submissions of logbook trip information to ADF&G had been required from 1998 through 2004.

House Bill (HB) 452 was introduced to the legislature to regulate and license sport fishing operators and sport fishing guides in May 2004. This bill passed and became effective in 2005. HB 452 changed sport fish guide and business registration from a voluntary program into a mandatory licensing program. It also added a freshwater logbook program, where previously logbooks were required for saltwater only. The Bill Summary Fact Sheet on HB 452 clearly outlined the penalties for failure to submit timely reports.

5 AAC 75.076(e) stipulates that the holder of a sport fishing operator license is responsible for reporting logbook information and returning the completed logbook of each sport fishing guide it employs to ADF&G in the manner and time frame specified in the logbook.

In 2005, the Division of Sport Fish director and supervisors established a more liberal logbook submission protocol for freshwater operators. Since freshwater logbook requirements were new to the industry, a more liberal submission deadline would allow the industry to acclimate and adjust to the regulations governing timely submission. It was also suggested that since freshwater operators were being allowed a more liberal submission deadline, the same courtesy would be provided to saltwater operators.

The 2005 Freshwater and Saltwater Logbook instructions outlined the submission of all activity in the following manner;

1

All fishing activity that occurs between January 1, 2005 through September 30, 2005 must be received by ADF&G offices or postmarked by October 15, 2005. Fishing activity that occurs between October 1, 2005 and December 31, 2005 must be received by ADF&G offices or postmarked by January 15, 2006.

Evaluation of the 2005 data indicated that submission of trip information far removed from when the trip occurred, compromised data quality and accuracy. Operators took advantage of the late logbook submission rule often ignoring the daily trip recording requirement. Due to the late submissions, data cleaning, editing, evaluation and summary reports were likewise delayed and logbook information was unavailable to managers in a timely manner.

In 2006, a weekly submission requirement was re-instated for saltwater operators and became effective for freshwater operators as well. A week of activity ended on a Sunday and was due to ADF&G or had to be postmarked one week and one day, 8 days, later.

This weekly submission schedule has been in effect since 2006. It is outlined in the logbook instructions, and is printed on the inside cover of the logbook.

PUBLIC AND PUBLISHED INFORMATION ON THE WEEKLY LOGBOOK SUBMISSION REQUIREMENTS

In 2004, informational meetings were scheduled and held throughout the state to inform the industry of HB 452 to regulate licensing and logbooks. Guides that attended these meetings were informed of associated regulations.

The Commissioner of ADF&G issued a statement in December 2005 that detailed the strategies for assuring the accuracy of the reporting of Pacific halibut harvest in the saltwater logbook. This statement outlined the weekly reporting requirement to commence in 2006.

Sport fishing guide and charter information, including logbook submission requirements, is available on the ADF&G website: http://www.adfg.alaska.gov/index.cfm?adfg=prolicenses.faqs

Submission requirements are published annually in both the freshwater and saltwater logbooks in text and in a current year calendar,

2

-continued-

STATISTICS

Based on the licensing database, the following table provides the number of resident and nonresident guides and charter businesses that were licensed from 2005-2011.

Year	No. Guide Businesses		No. Guides Only	
	Resident	Nonresident	Resident	Nonresident
2005	1,498	149	1,057	696
2006	1,652	178	1,144	763
2007	1,674	199	1,133	832
2008	1,453	206	1,101	896
2009	1,353	176	1,037	705
2010	1,281	171	1,009	702
2011	1,212	161	976	748

Number of freshwater and saltwater trips from 2006 through 2011 by region, based on submitted logbook data, are as follows:

Number of Trips								
Freshwater					Saltwater			
Year	SE	SC	AYK	Total	Year	SE	SC	Total
2006	3,040	39,479	4,262	46,781	2006	39,088	26,583	65,671
2007	3,241	40,557	4,899	48,697	2007	39,599	27,553	67,152
2008	3,113	40,587	4,801	48,501	2008	37,448	24,557	62,005
2009	2,400	31,305	3,849	37,554	2009	28,174	20,332	48,506
2010	2,459	31,267	4,065	37,791	2010	27,821	20,932	48,753
2011	2,430	33,150	4,570	40,150	2011	28,287	20,204	48,491

Data are current as of 04/11/2012. Freshwater region is based on the area code provided by the operator. Saltwater region is based on the statistical area primarily fished as provided by the operator.

FUTURE ENFORCEMENT PROTOCOL

The logbook program coordinator will initiate an acceptable "grace" period consisting of seven (7) additional days beyond the published due dates.

There will be no acceptable level of late logbook submissions beyond the grace period.

ADF&G does not have the staff available to notify business owners of individual late logbook pages. ADF&G will not provide formal notification to business owners when submitted logbook data is delinquent. The business owner is responsible for assuring that all data for fishing activities is submitted to ADF&G in a timely manner.

3

-continued-

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3

AS 16.05.815 requires ADF&G to release all logbook information to the Alaska Dept. of Public Safety, Division of Alaska Wildlife Troopers (AWT) at any time a request is received; this is routinely done. An annual summary of late data pages may be provided to AWT after final data cleaning and editing has been completed.

Late submissions: All logbooks turned in past the deadline will be considered late and may be turned over to AWT for action. Requests can be submitted to the logbook coordinator if compelling challenges encountered by the operator delayed logbook submission. The frequency, quantity, and reason for the delinquency will be reviewed by the logbook program coordinator prior to notifying enforcement.

At the discretion of the logbook program coordinator, advance consideration for accepting late logbook submissions will be made on a case by case basis. Notification of expected and unexpected delinquencies on a weekly or monthly basis should be made to the logbook coordinator via phone call or in writing for consideration.

Fishing activity conducted during the last week of December must be received no later than January 15th of the next year (i.e. December 24th - December 31, 2012 activity is due January 15, 2013). Any logbook submissions after the January 15th deadline may be subject to enforcement action (notwithstanding the paragraph immediately above).

This policy is approved as an official policy of the Alaska Department of Fish and Game, Sport Fish Division.

EFFECTIVE: 7/1/2012
Date

APPROVED:
Charles O. Swanton, Director

4

APPENDIX D.
SITUK RIVER CHINOOK SALMON CREEL AND
LOGBOOK COMPARISON

SITUK RIVER CREEL

The Situk River Chinook salmon annual creel survey covers the two month period from June through July. Creel survey technicians are located at three primary exit locations for sport anglers. A thirteen hour schedule from 10:00am to 11:00pm is designed to capture primary fishing times. An attempt is made to interview all individuals exiting the fishery for effort, catch, and harvest information. Historically, every angler leaving the fishery has been interviewed or counted. All individuals seen leaving the fishery who are not interviewed are still counted. Creel technicians interview and record the number of anglers who have completed their fishing trips by the area of the river fished. Specific trip information is collected from each angler, including, trip date, number of Chinook kept, number of Chinook released, whether the trip was guided or not guided, if guided, and the guide's logbook number is captured if applicable.

Freshwater logbook

Guided angling on the Situk River requires the submission of daily trip logbook pages detailing the trip information. Comparisons are dependent on accurate completion of the trip information and submission to ADF&G.

Annual creel data is provided by the project biologist. The RTS analyst reviews the data to determine which records are comparable based on logbook number and trip date. Creel data records with invalid logbook numbers were removed from the comparison. Final comparisons were conducted with just those records that were comparable. Interview data collected information on whether fishing occurred above or below the Situk river weir; the logbook instructions provided unique codes to the operator to use depending on whether fishing took place above or below the weir or a general code for the Situk River without specifying location. Records indicate that guides did not always specify the reach of the river fished, so it was decided to make the comparison between creel data and logbook data based on all fishing that took place on a specific date without distinguishing between locations above or below the weir.

Results (2012 comparison data)

In 2012, there were 76 guided trips on the Situk River where creel surveys were conducted. Of the 76 guided trips, 13 (17%) were excluded from the comparisons. Three guided trips were excluded because the creel census taker did not collect the logbook number. The other 10 records were excluded from the comparison because the submitted logbook pages did not contain information that matched the same logbook number and date information collected in the creel survey.

Angler comparison – in 2012, the number of guided anglers counted in the field by creel technicians compared to the number of clients indicated in the logbook as written in by the guide had a 68% agreement.

- In 22% of the occurrences, the number of anglers counted differed by one.
- In 5% of the occurrences, the number of anglers counted differed by two.

Harvest comparison – in 2012, the number of Chinook salmon kept, as counted in the field by creel technicians compared to the number of Chinook salmon kept as recorded in the logbook, had a 97% agreement.

- In 3% of occurrences, the number of Chinook salmon kept differed.

APPENDIX E.
LOGBOOK DATA ENTRY APPLICATION

The Freshwater Logbook Data Entry application is a web based database-driven application where by the user chooses what they wish to do by following a series of links. Below describes a brief overview of how to maneuver through the application to perform basic Data Entry.

Select Guides Licensing/Logbooks:

Select Enter or Edit Data:

Select Charter Logbooks:

Sportfishing Guide/Business Registration & Logbooks Index...

Enter or Edit Data

> ▸ SF Guide and Business Licensing
> ▸ SF Guide and Business Registrations (Pre 2005)
> ▸ Charter Logbooks
> ▸ Saltwater Charter Logbooks (Pre 2005)
> ▸ Department Representative Maintenance

▸ Reports for Departmental Use Only
▸ Statistics and Related Internet Links

This intranet page has been accessed 102,376 times since September 25, 2000.

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Select Logbooks – Freshwater and Freshwater:

Sportfishing Guide/Business Licenses & Logbooks Index...

Enter or Edit Data

Charter Logbooks

> ▸ Logbooks – Saltwater and Freshwater
> ▸ Pre 2005 Saltwater Checkout Page Entry/Editing
> ▸ Pre 2005 Saltwater Logbook Page Entry/Editing

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Select appropriate year from drop down box then click 'Continue':

Logbook Data year Selection

Please Select Year . . .

Select Year

Select: 2007 ▾

Continue

Logbooks Main Menu | Saltwater | Freshwater | Change Data Year

Any questions regarding the function of these database applications and information presented herein should be directed to Kirk Brogdon (Kirk_Brogdon@fishgame.state.ak.us).

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Select Freshwater Logbooks:

2007 Guide Logbook Data

Please select from the following options . . .

Saltwater Logbooks
Freshwater Logbooks
Surveys

Logbooks Main Menu | Saltwater | Freshwater | Change Data Year

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Checkouts Entry, Edit and Lookup

Select Logbook Checkouts:

```
Please select from the following options . . .

        Logbook Checkouts
        Logbook Data Sheets


Logbooks Main Menu    | Saltwater    | Freshwater    | Change Data Year

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```

Choose desired selection and proceed as prompted:

```
Please select from the following options . . .

        New
        Edit
        Search
        Scan Check


Logbooks Main Menu    | Saltwater    | Freshwater    | Change Data Year

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```

Trips Entry, Edit and Lookup

Select Logbook Data Sheets:

Select desired selection and proceed as prompted – Search is selected here:

Enter information into any of the fields displayed:

The Logtrip data can be searched on any single or combination of the fields listed below. If you do not get the results you are looking for, try a more generalized search. You may also choose how you would like the data sorted by selecting the radio button to the right of your choice.

Field		
Logbook Number:		
Logbook Page:		
Log Trip Date:	●	Choose field by which to sort results.
Vessel AK Number:		
Vessel Name:	Blue	
Guide License Number:		
Port/Site:		
Primary Salmon Area:		
Primary Bottomfish Area:		
Keypunch Date:		

Search   Clear

Logbooks Main Menu | Saltwater | Freshwater | Change Data Year

Select from list of results that match criteria entered:

(Your search resulted in more than 50 records. Only 50 records will be shown at a time. Click on a page number if you would like to skip to that section of your search.)
Records: **1-50** 51-100 101-150 151-200 201-250 251-300 301-350 351-400 401-436

Your Selection Returned 436 Records.
Click on any part of the row to continue . . .
You may try another search if this information isn't correct.

Logbook Number	Logbook Page	Trip Date	Vessel AK Number	Vessel Name	Guide License Number	Port Site	Salmon Stat Area	Bottomfish Stat Area	Date Keyed
○ 1	1	/2006	AE	STELLAR BLUE	75	SITKA	113311		06/21/2006
○ 3	24	/2006	AE	BLUE	75	SITKA	113312	113210	09/24/2006

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All trip information is displayed – the scanned image can also be viewed by selecting the 'Display Image' button:

General Trip Information										
Logbook Number	Page Number	Total Clients	Salmon Stat Area	Bottom Stat Area	Log Date	Day	Total Days	Page	Total Pages
	24	4	113312	113210	05/14/2006	1	1	1	1

Angler Harvest Data

License	Residency	King				Other					Halibut		Lingcod		Pelagic Rockfish		Yelloweye Rockfish		Non Pelagic Rockfish		Salmon Shark		Other
		28" + Kept	28" + Rel	< 28" Kept	< 28" Rel	Coho Kept	Coho Rel	Sock Kept	Pink Kept	Chum Kept	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel	Kept
	N	1	2			2					1						1						
	N	1	2			2					1						1						
	N	1	2			2					1												
	N	1	2			2																	

Next

Display Image

Logbooks Main Menu | Saltwater | Freshwater | Change Data Year

If the image is minimized, right click on it and select 'View Image':

Return to Logbook 62118

View Image
Copy Image
Copy Image Location

Save Image As...
Send Image...
Set As Desktop Background...
Block Images from intra.sf.adfg.s...

This Frame ▶

Properties

Logbooks Main Menu | Saltw ... Data Year

Any questions regarding the func ... nd information presented herein should be directed to Kirk Brogdon (Kirk_Brogdon@fishqa...

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And the full image will appear:

APPENDIX F.
LOGBOOK DATABASE STRUCTURE

Appendix F1.-Logbook database structure.

The Slogbooks table holds all of the Saltwater Logbook check out information for all years
since 2005. The sb_LicNum must contain a valid Guides.gu_LicNum value for the relative
data year in order for any entries to be made to the table. A valid logbook number entry

sLogbooks

Column Name	Condensed Type	Description
sb_id	int	Unique record identifier
sb_LogBookNum	int	Logbook number - first number should relate to year
sb_IssueNumber	int	Series number if multiple logbooks are issued for a vessel
sb_IssuedTo	varchar(50)	Person the logbook is physically issued to
sb_LicNum	int	SF Guide License number for business
sb_IsVessel	bit	Bit flag indicating if a vessel is used
sb_VesselID	varchar(20)	State Vessel ID (AK Number)
sb_VesselName	varchar(30)	Vessel Name
sb_VesselInfo	varchar(30)	Other vessel information -make, model, etc
sb_HomePort	varchar(30)	Port that the vessel normally off loads at
sb_DeptRep	varchar(50)	ADFG Department representative
sb_AreaOffice	varchar(20)	ADFG OFfice that distributed the logbook
sb_IssueDate	smalldatetime	Date of Issue
sb_Comments	text	Misc comments
sb_Keyid	varchar(15)	User ID of data entry person
sb_Keydate	smalldatetime	Date keyed into the system
sb_DataYear	int	Fishing data year that the logbook applies to
sb_LastUpdateID	varchar(15)	User ID of person to make the most recent change to the logbook record
sb_LastUpdate	smalldatetime	Date of most recent change to the logbook record
sb_IsInactive	bit	Bit flag indicating that the operator notified ADFG that the vessel will not be active after all

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All logtrip entries are entered into the Slogtrips table during the season. Prior to 2006, species harvest
values were aggregated at the trip level which is why you see columns related to harvest. These are for
historic (2005) purposes - 2006 and later record harvest at the angler level (SAnglerHarvest) and only trip
specfic information (stat area, port, date, etc) are recorded in SlogTrips.
A Logbook Number must exist in Slogbooks table for any entries to occur.

sLogTrips

Column Name	Condensed Type	Description
sl_Id	int	Unique ID assigned by SQL when added
sl_LogBookNum	int	Unique printed Logbook number from the upper right hand side
sl_LogPageNum	int	Printed number on bottom right of log sheet
sl_LogDate	smalldatetime	Date of trip as entered on the Log sheet
sl_LicNum	int	Guide License Number
sl_PortSite	varchar(30)	Port site of unloading. Entries should match GDLog_Rpts.dbo.Ports entries but can be over ridden
sl_TClient	int	Total Clients on Ship
sl_RClient	int	Number of Resident Clients that fished
sl_NClient	int	Non-Resident clients that fished
sl_Crew	int	Number of Crew members that fished
sl_PrimeSalm	int	Primary Salmon Fishing Stat Area. Entries should match GDLog_Rpts.dbo.Fisharea entries but can be over ridden.
sl_RodSalm	int	Number of rods used Salmon Fishing
sl_HrsSalm	decimal(5, 2)	Number of Hours spent targeting Salmon
sl_DayNum	int	Day number of the Trip
sl_TotalDays	int	Total Days that this trip has been fishing
sl_PageNum	int	Page number of the total pages used to record this trip
sl_TotalPages	int	The total number of pages used for this trip - has nothing to do with the actual page number printed on the sheet
sl_KingLKept	int	Number of Large King Salmon Kept
sl_KingLRel	int	Number of Large King Salmon Released
sl_KingSKept	int	Number of Small King Salmon Kept
sl_KingSRel	int	Number of Small King Salmon Released
sl_CohoKept	int	Number of Coho Salmon Kept
sl_CohoRel	int	Number of Coho Salmon Released
sl_SockKept	int	Number of Sockeye Salmon kept
sl_PinkKept	int	Number of Pink Salmon Kept
sl_ChumKept	int	Number of Chum Salmon Kept
sl_PrimeBott	int	Primary Bottomfish Stat Area. Entries should match GDLog_Rpts.dbo.Fisharea entries but can be over ridden.
sl_RodBott	int	Number of rods used Bottom Fishing
sl_HrsBott	decimal(5, 2)	Number of Hours spent tageting Bottom Fish
sl_PRockKept	int	Number of Pelagic Rockfish Kept
sl_PRockRel	int	Number of Pelagic Rockfish Released
sl_ORockKept	int	Number of Non Pelagic Rockfish Kept
sl_ORockRel	int	Number of Non Pelagic Rockfish Released
sl_LingKept	int	Number of Ling Cod Kept
sl_LingRel	int	Number of Ling Cods Released
sl_SharkKept	int	Number of Salmon Sharks Kept
sl_SharkRel	int	Number of Salmon Sharks Released
sl_Comments	text	Misc User Comments
sl_keyId	varchar(15)	User ID of person whe entered the original into the DB
sl_keydate	smalldatetime	Date the record was keyed by DE
sl_DateRcvd	smalldatetime	Date the page was received in Data Entry
sl_LastUpdateId	varchar(15)	User ID of last person to make an update
sl_LastUpdate	smalldatetime	Date stamp of last update
sl_FirstForm	bit	Bit flag for identifying the first form fished
sl_LastForm	bit	Bit flag for identifying the last form fished
sl_Processed	bit	Bit flag for processing identification
sl_DataYear	int	Data Year that the logbook was issued for and data collected

Beginning in 2006, Harvest data is collected at the individual angler level. Table SAnglerHarvest holds the harvest data for each angler and must have a valid SlogTrips.sl_Id value (sa_TripId) before any data can be entered. For any trip aggregations needed use the SAnglerHarvest.sa_TripId = SLogTrips.sl_Id join statement.

SAnglerHarvest

Column Name	Condensed Type	Description
sa_Id	int	Unique record identifier
sa_TripId	int	Trip Id - Foreign Key relationship to SlogTrips table
sa_LicNum	char(7)	Client or Crew sport fishing license number
sa_IsRClient	bit	Bit flag indicating that client is a resident
sa_IsNClient	bit	Bit flag indicating that client is Not a resident
sa_IsCrew	bit	Bit flag indicating that angler is a crew member
sa_IsUnknown	bit	Bit flag indicating that client residency or type was not recorded on the log trip form
sa_KingLKept	int	Number of Large King Salmon caught and kept by this angler
sa_KingLRel	int	Number of Large King Salmon released by this angler
sa_KingSKept	int	Number of Small King Salmon caught and kept by this angler
sa_KingSRel	int	Number of Small King Salmon released by this angler
sa_CohoKept	int	Number of Coho Salmon caught and kept by this angler
sa_CohoRel	int	Number of Coho Salmon released by this angler
sa_SockKept	int	Number of Sockeye Salmon caught and kept by this angler
sa_PinkKept	int	Number of Pink Salmon caught and kept by this angler
sa_ChumKept	int	Number of Large Chum caught and kept by this angler
sa_HalKept	int	Number of Halibut caught and kept by this angler
sa_HalRel	int	Number of Halibut released by this angler
sa_LingKept	int	Number of Ling Cod caught and kept by this angler
sa_LingRel	int	Number of Ling Cod released by this angler
sa_PRockKept	int	Number of Pelagic Rockfish caught and kept by this angler
sa_PRockRel	int	Number of Pelagic Rockfish relased by this angler
sa_YRockKept	int	Number of Yelloweye Rockfish caught and kept by this angler
sa_YRockRel	int	Number of Yelloweye Rockfish released by this angler
sa_ORockKept	int	Number of other Rockfish caught and kept by this angler
sa_ORockRel	int	Number of Other Rockfish released by this angler
sa_SharkKept	int	Number of Salmon Shark caught and kept by this angler
sa_SharkRel	int	Number of Salmon Shark released by this angler
sa_OtherKept	int	Number of Other species not listed kept
sa_Comments	text	Misc comments
sa_keyId	varchar(15)	User ID of Data entry person
sa_keydate	smalldatetime	Date and time that entry was added
sa_LastUpdateId	varchar(15)	User ID of the last person to make a change
sa_LastUpdate	smalldatetime	Date of last update to the recoe
sa_Processed	bit	Bit flag for processing - not currently used
sa_DataYear	int	Year that the angler harvest occured in

All trip records are copied into a distinct table for the specific year (always named with the format SLogTripsYYYYC). This table is referred to as the 'Corrected Trips' table and all Data analysis is run against it and any changes made trigger a write to the Changelog table.

slogTrips2006C

Column Name	Condensed Type	Description
slc_Id	int	Unique record ID taken directly from Slogtrips
slc_LogBookNum	int	Logbook number
slc_LogPageNum	int	Logbook page number as printed in the lower right corner
slc_LogDate	smalldatetime	Date the trip occurred
slc_LicNum	int	License number of the primary guide
slc_PortSite	varchar(30)	Port Site of off loading
slc_TClient	int	Total number of clients
slc_PrimeSalm	int	Primary stat area where Salmon was the principal target
slc_RodSalm	int	Number of rods used targeting salmon
slc_HrsSalm	decimal(5, 2)	Number of hours spend targeting salmon
slc_PrimeBott	int	Primary stat area where Bottomfish was the principal target
slc_RodBott	int	Number of rods used targeting bottomfish
slc_HrsBott	decimal(5, 2)	Number of hours spent targeting bottomfish
slc_DayNum	int	Day number of the trip - used for multi day trips
slc_TotalDays	int	Total number of days for the trip
slc_PageNum	int	Page of the total number of pages used to record this trip
slc_TotalPages	int	Total number of pages used to record this one trip
slc_Comments	text	Misc comments
slc_DataYear	int	Year in which the activity took place

All angler harvest records are copied into a distinct table for the specific year (always named with the format SAnglerHarvestYYYYC). This table is referred to as the 'Corrected Angler Harvest' table and all Data analysis is run against it and any changes made trigger a write to the Changelog table.

sAnglerHarvest2006C

Column Name	Condensed Type	Description
sac_Id	int	Unique record identifier taken from slogtrips table
sac_TripId	int	Trip Id - Foreign Key relationship to SlogTripsXXXXC table
sac_LicNum	char(7)	Client or Crew sport fishing license number
sac_IsRClient	bit	Bit flag indicating that client is a resident
sac_IsNClient	bit	Bit flag indicating that client is Not a resident
sac_IsCrew	bit	Bit flag indicating that angler is a crew member
sac_IsUnknown	bit	Bit flag indicating that client residency or type was not recorded on the log trip form
sac_KingLKept	int	Number of Large King Salmon caught and kept by this angler
sac_KingLRel	int	Number of Large King Salmon released by this angler
sac_KingSKept	int	Number of Small King Salmon caught and kept by this angler
sac_KingSRel	int	Number of Small King Salmon released by this angler
sac_CohoKept	int	Number of Coho Salmon caught and kept by this angler
sac_CohoRel	int	Number of Coho Salmon released by this angler
sac_SockKept	int	Number of Sockeye Salmon caught and kept by this angler
sac_PinkKept	int	Number of Pink Salmon caught and kept by this angler
sac_ChumKept	int	Number of Chum Salmon caught and kept by this angler
sac_HalKept	int	Number of Halibut caught and kept by this angler
sac_HalRel	int	Number of Halibut released by this angler
sac_LingKept	int	Number of Ling Cod caught and kept by this angler
sac_LingRel	int	Number of Ling Cod released by this angler
sac_PRockKept	int	Number of Pelagic Rockfish caught and kept by this angler
sac_PRockRel	int	Number of Pelagic Rockfish relased by this angler
sac_YRockKept	int	Number of Yelloweye Rockfish caught and kept by this angler
sac_YRockRel	int	Number of Yelloweye Rockfish released by this angler
sac_ORockKept	int	Number of other Rockfish caught and kept by this angler
sac_ORockRel	int	Number of Other Rockfish released by this angler
sac_SharkKept	int	Number of Salmon Shark caught and kept by this angler
sac_SharkRel	int	Number of Salmon Shark released by this angler
sac_OtherKept	int	Number of Other species not listed kept
sac_Comments	text	Misc comments
sac_DataYear	int	Year that the angler harvest occured in

The SWSurveys table holds harvest information received from
the post season angler survey. It is used by Research Analysts
to verify the accuracy of the Logbook reporting program

SWSurveys

	Column Name	Condensed Type	Description
🔑	ss_Id	int	Unique Record ID
	ss_LicNum	varchar(7)	Angler Sportfish License Number
	ss_IsUndeliverable	bit	
	ss_IsGuided	bit	Bit Flag showing if Angler acknowledges using a hired charter service
	ss_IsMultiTrip	bit	Bit flag showing that they hired a charter service for more than one trip
	ss_TripDate	smalldatetime	Date of last trip taken
	ss_BusinessName	varchar(80)	Name of Charter Service
	ss_VesselName	varchar(30)	Name of chartered vessel
	ss_HalKept	int	Number of Halibut Kept
	ss_HalRel	int	Number of Halibut Released
	ss_KingKept	int	Number of King Salmon kept - includes large of small
	ss_KingRel	int	Number of King Salmon Released
	ss_RockKept	int	Number of Rockfish Kept
	ss_RockRel	int	Number of Rockfish released
	ss_OtherKept	int	Number of Other species kept
	ss_OtherRel	int	Number of other species released
	ss_OtherDesc	varchar(30)	Description of Other species kept or released
	ss_Comments	text	General comments
	ss_KeyId	varchar(20)	Key ID of data entry person adding this record
	ss_KeyDate	smalldatetime	Date that the survey was keyed into the system
	ss_LastUpdateId	varchar(20)	Key ID of last person to edit this record
	ss_LastUpdate	smalldatetime	Date of last edit to this record
	ss_Mailing	int	Survey mailing number
	ss_DateRcvd	smalldatetime	Date completed survey received by RTS
	ss_DataYear	int	Fishing year that the survey applies to

The Changelog table holds the old and new values of any
records changed by Research analysts as they are cleansing the
data in the Corrected tables.

ChangeLog

	Column Name	Condensed Type	Description
🔑	id	int	Unique record identifier set by SQL Server
	recid	int	Unique identifier for the record of the associated table record
	oldValue	varchar(50)	Value as it was prior to the change
	newValue	varchar(50)	New value of the associated data element
	fieldName	varchar(50)	Name of the data field that has had the change
	tableName	varchar(50)	Name of the table that has had the change
	changeDate	smalldatetime	Date and time that the change took place
	keyId	varchar(50)	User ID that made the change
	dataYear	int	Data year - so that changelogs can be easily stripped out for archiving purposes